In the Specification:

Page 17, line 20, please change "alos cpable" to --also capable--.

Page 33, line 23, please change "obatins" to --obtains--.

line 25 please change "slection" to -selection--.

In the claims:

1. (amended) A radio frequency management system for reallocation of radio spectrum among a plurality of wireless communication networks using differing [transmission] radio frequency modulation protocols [and/or] and differing radio frequencies to communicate with a plurality of frequency and protocol agile portable radio devices each of which is responsive to portable radio device control signals to change its operating frequency and [transmission] modulation protocol, comprising

capacity detection means for generating a frequency request signal upon determining that a first wireless communication network operating using a first radio frequency spectrum allocated to said first wireless communication network and using a first modulation protocol, is at or near full capacity,

frequency reallocating means responsive to a frequency request signal to reassign temporarily radio spectrum from a second wireless communication network operating using a second radio frequency spectrum allocated to said second wireless communication network and different from said first radio frequency spectrum and using a second modulation protocol, [utilizing less of its normally assigned allocated radio frequency] to the first communication network determined by said capacity detection means to be at or near full capacity, and

means for causing portable radio control signals in at least some of the frequency and protocol agile portable radio devices to change their operating frequency and

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[transmission] modulation protocol to permit the portable radio devices so changed to communicate over the temporarily reassigned radio spectrum.

2. (amended) A radio frequency management system as defined in claim 1, further including a plurality of frequency and protocol agile portable radio devices for facilitating wireless communication over any one of a plurality of wireless communication networks at least some of which may be available and operating at a given time and location using differing radio frequency modulation protocols and over differing radio frequencies, each of which includes

a frequency agile radio transceiver [adapted to operate] operating at any one frequency of a plurality of radio frequencies [a radio frequency] appropriate for each of the plurality of wireless communication networks, said one frequency selected in response to [as determined by] a frequency control signal,

a digital interface circuit for interconnecting said frequency agile radio transceiver with external <u>digital signal processing</u> devices to allow <u>digital signal</u> information to be sent and received over said frequency agile radio transceiver,

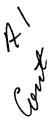
protocol agile operating circuit means for operating said frequency agile radio transceiver and said digital interface circuit in accordance with <u>any</u> one <u>modulation</u> <u>protocol</u> of <u>a plurality of</u> [the transmission] <u>modulation</u> protocols, <u>said one modulation</u> <u>protocol selected in response to</u> [as determined by] a protocol control signal, and

adaptive control means for <u>determining which wireless communications networks</u> are available at a given location and time, for accessing a selected wireless communication network and for generating the frequency control signal and the protocol control signal in response to a user defined criteria to cause the device to communicate with the selected wireless communication network using [the] a frequency [determined by the frequency control signal] and [the] <u>modulation</u> protocol <u>suitable for transmission</u>

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of said digital signal information over said selected wireless communications network [determined by the protocol control signal].

- 3. (amended) The radio frequency management system defined in claim 2, wherein said adaptive control means selects the wireless communication network based on the least cost.
- 4. (amended) The radio frequency management <u>system</u> as defined in claim 2, wherein said adaptive control means selects the wireless communication network based on the quality of the radio transmission link connecting said frequency agile transceiver and the selected wireless communication network.
- 5. (amended) The radio frequency management <u>system</u> as defined in claim 2, wherein said adaptive control means selects the wireless communication network based on the probability of being dropped from the network.
- 6. (amended) The radio frequency management <u>system</u> as defined in claim 2, wherein said adaptive control means selects the wireless communication network based on the security of the radio transmission link connecting said frequency agile transceiver and the selected wireless communication network.
- 7. (amended) The radio frequency management system as defined in claim 2, wherein said adaptive control means selects the wireless communication network based on prior experience with specific wireless communication networks.





8. (amended) The radio frequency management <u>system</u> as defined in claim 2, wherein said adaptive control means selects the wireless communication network based on the combined determination of two or more of the following:

the cost of using the wireless communication network,
the quality of the transmission link connecting said frequency agile transceiver and
the selected wireless communication network,
prior experience with specific wireless communication networks,
the potential of being dropped from the network, or
the security of the radio transmission link connecting said frequency agile
transceiver and the selected wireless communication network.

- 9. (amended) The radio frequency management system as defined in claim 2, wherein said adaptive control means [is adapted to communicate in accordance with an electronic handshake] communicates with selected wireless communication networks to determine on a real time basis the [cost for desired services and] operating characteristics of the corresponding wireless communication network.
- 10. (amended) The radio frequency management system as defined in claim 2, further including a modern means operating to perform at least one of modulation or demodulation of [for modulating and/or demodulating] a carrier signal with user data.
- 11. (amended) The radio frequency management <u>system</u> as defined in claim 10, further including a data processor means for processing digital data [sent and/or received] <u>transmitted</u> over said frequency agile transceiver.
- 12. (amended) The radio frequency management system as defined in claim 11 for use with wireless communication networks having call placement and call answering



functions, wherein said data processor means [is adapted to cause] <u>causes</u> said frequency agile transceiver to control telephone call placement and call answering functions over wireless communication networks having such telephone functions.

13. (amended) A method for reallocation of radio frequency spectrum among a plurality of wireless communication networks at least some of which may be available and operating at a given time and location using differing [transmission] radio frequency modulation protocols [and/or] and over differing radio frequencies to communicate with a plurality of frequency and protocol agile portable radio devices each of which is responsive to portable radio device control signals to change its operating frequency and [transmission] modulation protocol, comprising the steps of

generating a frequency request signal upon determining that a <u>first</u> wireless communication network is at or near full capacity,

reassigning temporarily in response to [a] said frequency request signal radio spectrum from a wireless communication network utilizing less of its normally assigned radio frequency to the communication network determined to be at or near full capacity, and

causing portable radio control signals in at least some of the frequency and protocol agile portable radio devices to change their operating frequency and [transmission] transmission protocol to permit the portable radio devices so changed to communicate over the temporarily reassigned radio spectrum.

14. (amended) A method as defined in claim 13, comprising the further steps of

operating a frequency agile radio transceiver at any one frequency of a plurality of radio frequencies [a radio frequency] appropriate for each of the plurality of wireless

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communication networks, said one frequency selected in response to [as determined by] a frequency control signal,

interconnecting said frequency agile radio transceiver with external <u>digital signal</u> processing devices to allow <u>digital signal</u> information to be sent and received over said frequency agile radio transceiver,

operating said frequency agile radio transceiver in accordance with <u>any</u> one <u>modulation protocol</u> of a <u>plurality of</u> [the transmission] <u>modulation protocols, said one modulation protocol selected in response to</u> [as determined by] a protocol control signal, and

determining which wireless communications networks are available at a given location and time and accessing a selected wireless communication network by generating the frequency control signal and the protocol control signal in response to a user defined criteria to cause the device to communicate with the selected wireless communication network using [the] a frequency [determined by the frequency control signal] and [the] modulation protocol suitable for transmission of said digital signal information over said selected wireless communications network [determined by the protocol control signal].

Please add new claims 23-24 as follows:

wireless communication network monitoring means for monitoring the current network load of each of the plurality of wireless communication networks;

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